

WHAT IS CLAIMED IS:

1. A transaction management system comprising:  
an authentication part for performing authentication by  
sending a user identifier and a password to an authentication  
5 system operated by an Internet service provider that should  
authenticate an accounting target user; and  
a request part for making an accounting request to an  
accounting processing system operated by other than said  
Internet service provider when said authentication part  
10 succeeds in the authentication.

2. A transaction management system according to claim 1,  
wherein said accounting process system is a system operated by  
a type 1 carrier for collecting fees from a plurality of  
15 contractors, and retaining a unique piece of contractor  
identifier given to each of the plurality of contractors and  
state-of-contract information showing whether or not the  
contractor has a nonpayment of the fee,

20 said transaction management system further comprises: a  
mapping-of-information storage part for storing a mapping of  
each of the plurality of user identifiers to at least one  
contractor identifier; an acquisition part for acquiring  
through communications the user identifier and the password  
given to a user by said Internet service provider from the user  
25 ordering a purchase of a certain article to any one of one or  
more purchase order accept system for accepting the order of  
purchasing the article through the communications, and the

contractor identifier of the contractor made to pay a fee related to the article; and a judgement part for judging based on the state-of-contract information retained corresponding to the contractor identifier acquired by said acquisition part 5 whether or not the contractor identified by the contractor identifier has the nonpayment of fee by exchanging information with said accounting process system,

10 said authentication part authenticates a user's identity on the basis of the user identifier and the password acquired by said acquisition part by exchanging information through communications with said authentication system if the user identifier and the contractor identifier acquired by said acquisition have their mapping given by the mapping information stored in said mapping-of-information storage part, and

15 said request part requests said type 1 carrier to collect a price of the article from the contractor identified by the contractor identifier by notifying, when the user identity is authenticated by said authentication part and when said judgment part judges that the contractor does not have any nonpayment of fee, said purchase order accept system accepting 20 the purchase order from the user that the user's identity has been authenticated, and by notifying said accounting process system of the contractor identifier acquired by said acquisition part and of a price of the article ordered for its purchase.

3. A transaction management system according to claim 2,

wherein said accounting process system retains a unique piece of contractor identifier given to each of the plurality of contractors, a piece of state-of-contract information indicating whether or not the contractor has the nonpayment of 5 fee, and plural pieces of attribute information for defining each of attributes of a plurality of categories with respect to the contractor,

    said acquisition part acquires from the user pieces of information on the attributes of which the number corresponds 10 to a price of the article ordered to be purchased, these attributes being selected at random from the attributes of the plurality of categories,

    said transaction management system further comprises a judgement part for judging by exchanging the information with 15 said accounting process system whether or not the information on the attributes of which the number corresponds to the price of the article that has been acquired by said acquisition part, is coincident with the attribute information on the same attributes that has been retained in said accounting process 20 system, and

    said request part functions when said judgement part judges that the information on the attributes of which the number corresponds to the price of the article that has been acquired by said acquisition part, is coincident with the 25 attribute information on the same attributes that has been retained in said accounting process system.

4. A transaction management system according to claim 2 further comprising:

5 a purchase condition information storage part stored with mappings of one or more pieces of purchase condition information for defining an attribute of the article to user identifiers different from each other;

10 a judgement part for judging whether or not there is satisfied a purchase non-permission condition that the purchase condition information corresponding to the user identifier acquired by said acquisition part be stored in said purchase condition information storage part, and that the article ordered to be purchased does not have any attribute defined by the purchase condition information, and

15 wherein said request part functions only when said judging part judges that the purchase non-permission condition is not satisfied.

5. A transaction management system according to claim 4, further comprising:

20 a second password storage part stored with one or more second passwords corresponding respectively to one or more pieces of purchase condition information stored in said purchase condition information storage part; and

25 a purchase condition information changing part for changing, when the same information as any one of the second passwords stored in said second password storage part, the purchase condition information corresponding to this second

password into a piece of information corresponding to information that will be inputted thereafter.

6. A transaction management system according to claim 2,  
5 further comprising a second name acquisition part for causing a computer terminal used by the user to display a name of the article ordered to be purchased and acquiring a second name used as a substitute for the name of the article from the user through said computer terminal,

10 wherein said request part, if notifying said purchase order accept system that the identity has been authenticated and when the second name has been acquired by said second name acquisition part, notifies the accounting process system of the second name together with the price, and notifies, when the 15 second name has not been acquired by said second name acquisition part, said accounting process system of the name of the processing target article together with the price, and said accounting process system creates a bill in which the information of which said request part notifies is used as 20 an account item name, for the processing target article, of a bill for a contractor identified by the contractor identifier acquired by said acquisition part.

7. A transaction management system according to claim 2,  
25 wherein said authentication system is a system that retains a mapping of an e-mail address of each contract user to a user identifier of the same contract user, and

5        said transaction management system further comprises a mail delivery part for delivering, if said request part notifies said purchase order accept system that the identity has been authenticated, an e-mail showing that the article has been purchased, with the e-mail address being used as a destination address, which is retained corresponding to the user identifier acquired by said acquisition part in said authentication system.

10        8. A transaction management system for requesting a plurality of accounting process systems to execute accounting processes of fees, comprising:

15        a part for receiving a process request for an accounting request from a customer as a payer of fee;

15        an acquisition part for acquiring identifying information of said accounting process system that is utilized by the fee payer on the basis of the process request received, and necessary items of information for authentication; and

20        a part for requesting said accounting process system concerned to execute the accounting process of the fee on the basis of the information acquired by said acquisition part.

9. A program executed by a computer, comprising:

25        an authenticating step of performing authentication by sending a user identifier and a password in an authentication system to said authentication system operated by an Internet service provider that should authenticate an accounting target

user; and

a requesting step of making an accounting request to an accounting processing system operated by other than said Internet service provider when the authentication gets 5 successful in said authenticating step.

10. A program executed by a computer to function as a system for requesting a plurality of accounting process systems to execute accounting processes of fees, said system 10 comprising:

a part for receiving a process request for an accounting request from a customer as a payer of fee;

an acquisition part for acquiring identifying information of said accounting process system that is utilized 15 by the fee payer on the basis of the process request received, and necessary items of information for authentication; and

a part for requesting said accounting process system concerned to execute the accounting process of the fee on the basis of the information acquired by said acquisition part.